Rec'd Feb 13th
Ans Sept 21

Cambridge, Feb. 4th 1854

Dear E.

You will think me long silent. I meant to have answered your letter of Dec. 30 long ago — But daylight is too valuable for botany, and my evenings now, when not otherwise engaged, are occupied in laying out plants of herbm to be glued down by an old domestic of a great Aunt of my wife's, who passes the winter with us.

I'll send you a brief letter two — or at least write it before I sleep.

I am in most capital health — never better — have begun within a year & a half to gain flesh — had risen from 135 or 140 to 150 when last weighed — a year ago — I suspect I weigh 155 now. & am very vigorous.

Perhaps all I can put into 1st vol. of Ex. Expd. Botany is written. I am now doing their Umbelliferæ, which, with Caliaceæ

will go into the vol. if it does not exceed 700 pages without them.

Thurber has got the rest of his plants in fair condition he says — notwithstanding shipwreck. He will have more to send me.

Among those I have not yet studied (laid aside till convenient to take them up) is one of the spring things figured (a naked branch) in Emory's old plate of bacteal. I have only examined male flowers — but now have a little fruit. I do not guess its affinities yet, at all. — 2. What would please you — an Aprodantthes (Pilostyles Gaill.) — looks like flowers of Cuscuta, at first, but the flowers have no stems, but grow directly out of foster plant (a Dalea?) like a miniature Rafflesia.

Bigelow is an ass. Never mind these fellows. All Cactaceous material will of course, and inevitably

come into your hand —
Unfortunately the new Rutosma
= Thamnosma — Torr. in Fremont.
so badly described by Torrey, & so
foolishly compared with Zanthoxylum!
that I had no thought of comparing it.
On re-examination, perhaps there will
be barely characters enough to keep
the two plants separate as genera —
I hope so; as Thamnosma is
the oldest, and not a good name
for our species. Tho: Rutosma is good
for both.

I suspect Udora varies a good
deal. ~~Alsinastrum~~ Anacharis Alsi-
nastrum, in England is just made out of the
hermaph.:— fertile plant. They are
agreed that it was introduced into
England, with American plants. Perhaps
also into Germany.

Expl. Exped. plates are uncolored, —
in the style of those of Pl. Wright, but
folio — like those of H. B. K. &c.

I have read the proofs of your
Cocens-paper in Silliman. and have

ordered 100 extra copies. Sill. Jour.
is bound to let me have, - for self
& friends as many copies as I ask
for - free of charge. -

I am sorry I have not got Opuntia
vulgaris - Remind me, and I will
get it for you (& me) in the Spring.

I have somewhere seen the remark
that the Southern States Opuntia differs
from ours in having some spines &c - by
what all? (Torrey, Flora N. U. States)

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

It was very kind of you to give us
news of the baby. It came long
before we got it from the Skinners.
As the baby is to bear Mrs. Gray's
name, she is teasing me to send a
package to you - that she may enclose
in it some things she has been preparing.
I have only the new vol. of Amer. Acad.
Memoirs to send now. (I sent Linn. Soc.
Correspondence to you by mail). I will send
it, with the things for Mrs. Skinner
(which Mr. S. will pay charges on, W: you
debit them to me) through the Boston Stor-

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— dealer in Pearl St. — directing all to you, for greater safety.

Now, for the main purport of my letter, which, like that of a woman, is deferred to the P.S.

I am delighted to hear you will come E. in the spring; and you must come and make us a visit. — you & Madame E. — whether we meet you at Washington or not.

It is not very likely I shall go there — It costs too much time — a very valuable article — as well as expense — and I have nothing in particular to say there. I should like to go — but fear I shall not. But here, we can talk over many things quietly. Mind you come <u>directly</u> to us. Plenty of room here. And most delighted to have you with us.

I send you Stockton's last letter — which returns. He is a good fellow — & I was glad to settle about the words

just as he pleased. He had forgotten that he first proposed £4 – – & then he forgot all about it. – you see – – rather queer. But he always means to do what is right.

So you owe me £1 – which leave on account – it will settle itself by & by. It is late. I must go to bed.

Thanks for all your good wishes. It is too late in the season to wish you "a happy new year". But may all prosperity attend you – and may you be able to "throw" physic to the dogs", one of these days, & help us more in Botany,

Ever Yours
faithfully

Asa Gray

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P.S. What has become of Fowler?
He wrote me a line from N.Y. long ago —
said his packages had not arrived yet. —
I have heard nothing more. I do not
care at all for the plants he was to bring on.
but hope nothing has gone wrong with him.

A.G.

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GEORGE ENGELMANN PAPERS

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Recd Aug 7th
Ans Sept 21

Cambridge, Aug. 1. 1854

My Dear Engelmann

The last time I heard from you — very long ago, you gave me reason to anticipate the pleasure of seeing you here. — and I, at the time, refrained from writing to you, in expectation that I should soon see you face to face. And when I saw that this was not to be, my silence had become chronic. Now, alas, I see you are surrounded with cholera — and are pinned fast till winter, no doubt, — no chance perhaps to think of Botany.

I too have been more than usually occupied with teaching, until a fortnight ago. Meanwhile, I have brought out the letter press of the 1st volume of Expl. Expd. Botany, near 780 pages (a copy of which I want to present to you): but the atlas of 100 plates folio, still lingers, like other things, in Sprague's hands. And as I cannot go on printing the 2nd vol. until the drawings for it are ready or nearly so, I take this opportunity to fall back upon what ought long ago to have been done — viz — to revise & reunite my old mss for the continuation of Flora, and to carry on at the same time the Manipulatio of Pl. Mirificae, Lindheimeri & Fendlerianae, — adjectis nonnullis ex variis fontibus, seu Berlanderianae. For Dr Short has purchased, the 5 large boxes of plants left by Berlander,

which Lieut. Couch brought of Balandier's widow — and 5 great boxes are sent to me — with instructions to put the fullest set, with original memoranda into my own herbm, as most useful for American science. The specimens are mostly poor & rubbishy; but they are important as being mostly under the numbers that sets of them were distributed (sold) in Europe — which numbers are quoted in DC. Prodr. & elsewhere — so that we may identify a great many published species with certainty.

I have not yet overhauled the collection, except to open a few parcels; and I dread the work & guess the time the distribution will cost. (A set is to go to the Smithsonian Institution. I will see that materials of your set families go to you.)

Some MSS descriptions & drawings are lent to me by Lieut Couch. Among them are a few good drawings of bacteæ — those he described in his little pamphlet. These I want to send to you, — for you to identify, & have copied, if you wish. But will you not come on here, after the Cholera & fall fevers are over?

The enclosed from Stedz — a very good fellow — came 2 days ago. —

I have little botanical news. Torrey has made me a short visit, — and brought a few quiddities out of Bigelow's collection. a few interesting new genera.

It is to come again soon, & bring others he wants me to study.

I have prepared, & shall soon print — a little paper on some n. gen. & sp. of Thunb's coll. & leave the rest (& the plates of these) to go into Envig's great Boundary Report — so long in preparation. Among them is what at first looks like flowers of a Buscuta on a Salsola — but is a new Apodanthaceous (Rafflesiaceous) plant = Pilostyles Thunbei. Also flowers & fruit of the Spring thing figured with Cactea, & next to Kochlemia on Envig's old plate. — It proves a new genus, most allied to Castela but very distinct (Holacantha Envigi). Also a remarkable n. gen. of Loasaceæ, Gronovieæ = Petalonyx Thunbei. And a beautiful n. gen. of Malvaceæ, Hibisceæ. = Thurberia thespesioides. — A third Psathyrotes, some other new Compositæ not remarkable. the Thamnosma of Torrey — which proves congeneric with our Ruta osma, tho, so unlooked for were the affinities traced by Torrey that I never suspected it, Perhaps the genera may be kept distinct, but they ought not.

Our old friend Schenk has been doing a little more in Linnæa (which is now continued) He has a new "Bolivania Grisebachii" from coll. Lindh. Oct. 1846. plainly M. Interstipulata. — a "Bancalis

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tenerrima" Houston, Roemer. Krigia bellidifolia (= K. occidentalis) A near gen. Leucanthea made out of Leucosphyllum, which he says has white flowers. Between Austin & Bastrop, Roemer. April.

"Echinospermum texanum" "near E. Lappula"

"Mill a Camelea"

"Schauvocanlon texanum" = my P. Drummondii. Bot. Beech.

"Dasylirion Lindheimerianum" A. & N. Brambels. Jour. July, 1846.

And in another paper in the same vol. on Euphorbiaceae he has "Croton Lindheimerianum." Euphorbiaceae. A. Bro. 1846.

& "Tyria myricaeflia" Euphorbiaceae " " "
a plant we know.

"Phyllanthus Roemerianus" San Antonio San Antonio.
evidently Prof Alles' Microchalanthus.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Das ist alles.

— no. "Tragia tenuiflia" & "T. — Scutellariaeflia" A. Brambels.

I wish you could have the Archipiad. & Crescent & nearly when I come to them.

And at least notes & names of Euphorbias — with specimens (I will add from Wright's 2d coll.), to send to Hooker. Mr. Oliver will by & by be working up the family for the Prodromus. Be very careful of your health. When you get time drop a line to

Yours ever

A. Gray

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Rec^d October 3^d
Ans October 21
Nov 15

Cambridge Sept. 21st 1852

Lib of Ch. L. 3k ~~449-574~~
052-754

Dear Engelmann.

What Bumelia is there on the Mississippi about St. Louis? Is there any with glabrous leaves, answering to the char. of B. oblongifolia Nutt.? The only one I have seen from that quarter is the same as one that Wright & Lindheimer send from Texas. That one Baldwin got on the Missouri.

Sept. 27th

I am right glad to see your handwriting again, after such a long interval. I knew you must have been very busy in your profession — So you & Mrs. Engelmann will make us a visit next spring: Many thanks. We shall be very much gratified to see you — and you surely need a vacation. I am sorry you cannot come this fall.

I shall give only a hasty reply to principal points in your letter now.

You can take your time about the drawings & engravings &c of Cactea for Emory — as Torrey says he has left no fund for this ~~work~~ work here, and nothing can be printed till he returns from the present survey. I almost wish you could have gone with him: tho. it would absorb much time. —

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He has taken no botanist, except Schott — who has other work to occupy him, and was never of much account as a collector.

Steudel's grasses (I have pt. 3d) are poorly done — but the work is convenient.

8 or 10 sets (perhaps 12) would sell well, I know, of Hendle's collections in Venezuela — tho' that part of the country has been explored a good deal.

I have never had Stilianthus californicus growing. Send seeds — & keep a dried specimen for me.

Send seeds of Kochia dentata again.

I gave it once from you: but the gardener rooted it up before the seeds were ripe — taking it for a chance pigweed. I have a fine plant of Berberis gigantea, 6 or 7 inches high. Also many seedlings.

Agassiz is still at Nahant, right on the shore in a cottage which his father-in-law has fitted up — with a workshop adjoining. There he has been all summer — will return next month, when his large new house here is ready to be occupied.

Perhaps I shall meet him to-morrow evening at our Scientific Club.

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Write Bigelow — also Torrey, for the Whipple Cactea which are no doubt intended for you to have.

What publications of Amer. Academy do you need. You have paid all demands I know. I will see that all you need is sent. I have no longer the charge of the domestic distribution of these publications — i.e. directly.

Just as I thought, last June, that DC. Prodr. vol. 14. was all printed. Alph. DC. wrote me that it was just about to be commenced. And I know that De Wiese has hardly finished the Laurineae yet, which are to come into the volume.

I've got it early I have 3 orders out through as many different booksellers — The 2d copy I get I will forward to you.

De Candolle will presently get working at the Euphorbiaceae — but not I suspect for some months yet. So I advise you to hold up on Cactea a little & work up the Cucurbitaceae first. — perhaps also the Asclepiadeae. — & then Euphorbia; but this as soon as you can. I took care in all these especially in Euphorbia, that you had all of Wight's collection that I have. So you do not need any from me. As you go on, make up a named set for De Candolle, as far as you can of all but Wight's. — & to his give me names with the

numbers, and I will send to Dr. all he has not already.

I will write you about Berlandier's collection later, when I have finished the distribution —

Let me know if any of your merchant friends are packing in Boston this fall: and as soon as I can hear from you I will make up a package of all that is ready for you (every thing that relates to your pet families you shall surely have, & much besides), and Berlandier's drawings & MSS — of Cactaceæ with them.

Seemann's Panama Flora a part just received takes down to the Piperaceæ.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

I am quite in earnest about Flora. If I do not now bring out the rest of vol. 2, I am sure I never shall. As fast as I go on now, I make the MSS. ready for the printer. I wait for Torrey to finish Lobeliaceæ & Campanulaceæ. The great trouble is now far to work in the accessions to Compositæ — almost enough to make up the volume. I want to do as little as I can with what is past. My plan is to print a small edition of the remaining monopetalous orders to finish vol. 2: and then while vol. 3 is in hand also to prepare & print a new ed. of vols. 1. & 2 — which will be quite a new work. But I talk of all this to no one — being so often disappointed in ~~going~~ my endeavors to go on with this, that I now make no

promises. What shall I do about additional matter in the Compositae?

How shall I cite Lindheimer's numbers in my Al. Might. Lindh. Fasc. to go on at the same time. I have them under the numbers of the year, as you sent them.

I have not printed form of labels, except some of 1846. from 449 to 574, – which I know not how to apply, and a list of unnumbered Plants of Fasc. IV. 1847–48. Can you help me? I fear not, without too great trouble.

Can you send me any Plants to use for all. 1849–52? I like to have this form of label to attach – to authenticate the specimens hereafter.

This will do for to-day. I will attend to all your letters promptly; but when I have no unanswered letter before me as a reminder I am apt to neglect to write, until some special necessity occurs.

My wife is just home, after attending a young niece of 5 years old with dangerous typhoid fever – The child is getting on. Mrs. Gray well, but worn down.

I have the Bouplandia now, – it seems to be pretty quarrelsome & nasty.

Ever Yours cordially
Asa Gray

Missouri Botanical Garden
Science Division

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Recd. Nov 26
Ans. Febry 17

Nov. 17. 1854

Dear Engelmann.

To-day I have got from Boston the portion of "Proceedings" Amer. Acad. you want also a copy of Vol. IV, pt. 2, (containing Agassiz paper) and put it in a parcel for you, along with those fasciculi of drawings of Berlandier that contain Cactea. This I will send or take to Asher Curtis very soon — probably packing up & sending with it the specimens of Berlandier plants up to this time laid out for you —

I pay the academy $1.50 for you — & charge it to you — (making $6.48 you owe me) —

Now of vol. V. ~~pts~~ part 2, is out yet. I shall send you two papers of mine in it next week, by mail.

Shall I order Boston Journ. Nat Hist. for you — after vol. V. no. 2? If so let me know. Or wait till you come. What Proceedings Boston, &c. Nat. Hist. do you need?

Nov. 20. — To-day I send to Asher Curtis — to go in case to G. Fitzman — the above. — and a goodly package of Berlandier plants — And I mail to you. Pl. Thurberia & another 4to pamphlet. —

Nov. 21st 1854

Dear E.

I have this morning yours of 15th inst. before I have sent a reply to that of 26th inst. — and I am greatly pleased this week! I had despatched the parcel to Asher Curtis a few hours before your parcel of 15th came. Remembering an old parcel marked years ago to be returned to you, I send it now (to A. Curtis) as it probably contains the Asclepiadeae you ask after.

In it I add another copy of my two previous sent also by mail to-day.

The list of Lindl. district is just what I want. I also want labels — I have not those you say I should have.

Thanks for the Bomelia — which I will try to grow.

I want roots of Aster anomalus. Why did you not get them? Bigelow has got a famous new Grandiflori Aster — from Mts. N. Mexico with flowers larger than A. grandiflorus!

Vernonia Arkansana I have growing — well naturalized.

I have just received a fine memoir from Braun — "Das Individuum der Pflanze in seinem Verhältniss zur Species" full of matter very important to me — but which I grieve to say I cannot read. Pray for a good translation. It must also have been sent to you.

I will send you the MS. of the Bonplandia if

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you will give me brief notes of what they contain — so that I could notice them in Silv. For. Oh that you resided in Cambridge or Boston!

The Bonplandia seems to be snappish & nasty. Is it not — and contains little that is important.

Asa Gray's letter got. He promised me over & again he would write — as his own interest requires. — & tell you that the barrel you sent has not come!

I was getting nicely at work at Monopetalae for Flora & Mr. Wright — Hooker — Lindley — when Torrey swamped me by sending me a good part of Pope, Bigelow (Whipples Exp.) Beckwith, &c. Collections — to be worked up at once for Government Reports. — Bigelow is full of novelties — & these are not done yet — And other interruptions have occurred these last few weeks —, and now winter is within a few days of us. & so little done! I almost despair — for next spring a new ed. of Bot. Text Book is to be prepared. & I want to rewrite a large portion — and new ed. of Bot. Text Book. &c — &c &c — Oh. Oh!

Last Saturday was my birth day: 44!

If you can have Buccaneer & Archipiadea any time this winter, it will do!

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Helianthus maximus. I have growing.

I planted Baileya finely; but the Gardener lost two young plants ready for next year — for I have none.

Ever Yours most cordially

Asa Gray

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GEORGE ENGELMANN PAPERS

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